IN THE CLAIMS

Please amend the claims as follows:

Please cancel claims 14-25.

1. (CURRENTLY AMENDED) A process for charging a metal hydride bed, comprising:

~~1~~a) providing a first container in first flow communication with a second container;

~~2~~b) providing a chemical hydride slurry in said first container;

~~3~~c) providing said metal hydride bed in said second container, said metal hydride bed comprising a hydrogen storage material, said first flow communication flowing slurry from said first container to said second container;

~~4~~d) contacting said slurry with said metal hydride bed in said second container, said metal hydride bed catalyzing a reaction between said chemical hydride and water within said chemical hydride slurry which produces atomic hydrogen and byproducts, wherein at least a portion of said atomic hydrogen is absorbed and stored by said metal hydride bed.

2. (ORIGINAL) The process of Claim 1, said chemical hydride slurry comprising:

a metal hydride;

a stabilizing agent; and

water.

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3. (ORIGINAL) The process of Claim 1, said contacting comprising pumping said slurry from said first container to said second container.

4. (ORIGINAL) The process of Claim 3, further comprising pumping said slurry and said byproducts from said second container into said first container through a second flow communication between said first container and said second container.

5. (ORIGINAL) The process of Claim 4, further comprising pumping said slurry from said first container to said second container until said slurry is free of hydrogen.

6. (ORIGINAL) The process of Claim 2, said metal hydride of said slurry comprising sodium borohydride, potassium borohydride, lithium borohydride or a mixture thereof.

7. (ORIGINAL) The process of Claim 2, said stabilizing agent comprising sodium hydroxide, potassium hydroxide, lithium hydroxide or a mixture thereof.

8. (ORIGINAL) The process of Claim 1, said hydrogen storage material comprising an alloy selected from AB, A2B, AB2 or AB5.

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9. (PREVIOUSLY PRESENTED) The process of Claim 1, said hydrogen storage material comprising Mg based alloys, Mg-Ni based alloys, Mg-Cu based alloys, Ti-Fe based alloys, Ti-Ni based alloys, Misch Metal-Co based alloys, Ti-Mn based alloys, Ti-V based alloys, Ti-Cr based alloys, Misch Metal-Ni based alloys or mixtures thereof.

10. (ORIGINAL) The process of Claim 1, said hydrogen storage material comprising a TiQ-ZZrXMnZ-YAY alloy, wherein A comprises at least one of V, Cr, Fe, Ni or Al, wherein Q is between 0.9 and 1.1, X is between 0.0 and 0.35, Y is between 0.6 and 1.8, Z is between 1.8 and 2.1.

11. (ORIGINAL) The process of Claim 1, further comprising venting unabsorbed hydrogen.

12. (ORIGINAL) The process of Claim 1, further comprising forcing unabsorbed hydrogen to a hydrogen powered apparatus, said apparatus comprising a fuel cell.

13. (ORIGINAL) The process of Claim 5, further comprising closing a valve set in first flow communication when said slurry is free of hydrogen.

14. (CANCELED)

15. (CANCELED)

16. (CANCELED)

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17. (CANCELED)

18. (CANCELED)

19. (CANCELED)

20. (CANCELED)

21. (CANCELED)

22. (CANCELED)

23. (CANCELED)

24. (CANCELED)

25. (CANCELED)

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